State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-86-189

Relating to Certification of New Heavy-Duty Motor Vehicle Engines

MITSUBISHI MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102 and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That the following 1996 model-year Mitsubishi Motors Corporation diesel-cycle engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Fuel Type: Diesel

Engine Family	Engine <u>Liters</u>	Displacement (Cubic Inches)	Exhaust Emission Control Systems and Special Features
TMT460D7D8AA	7.5	(460)	Turbocharger Oxidation Catalytic Converter Charge Air Cooler Engine Control Module

Engine models and codes are listed on attachments.

The following are the certification exhaust emission standards for this engine family in grams per brake horsepower-hour:

<u>Hydrocarbons</u>	Carbon <u>Monoxide</u>	Nitrogen <u>Oxides</u>	<u>Particulates</u>
1.3	15.5	5.0	0.10

The following are the certification exhaust emission values for this engine family in grams per brake horsepower-hour:

Engine <u>Family</u>	<u>Hydrocarbons</u>	Carbon <u>Monoxide</u>	Nitrogen <u>Oxides</u>	<u>Particulates</u>
TMT460D7DBAA	0.4	2.1	4.2	0.08

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachments.

Executed at El Monte, California this 200

day of March, 1995.

R. B. Summerfield

Assistant Division Chief Mobile Source Division

E.O.# A-86189

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY DIESEL-STANDARD ENGINES

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Manufacturer	Mitsubishi Moto	rs Corporatio	n Engine Family	•11 TMT460D7DB	<u> </u>
Displacement:_		7.5 Li	ters	4	60 Cubic Inches
Maximum Rated	Power: 230 HP	@ <u>2,600</u> RPN	f Engine Configu	ration: <u>In-l</u>	ine, OHV, 6 cylinders
Ignition: Com	pression	Comp	ression with Glov	V Plug <u>x</u>	Spark
Fuel Type(s):	Dedicated	Flex-Fuel	Dual-Fuel	Diesel <u>x</u>	M100 M85
	CNGLNG_	LPG	Other (specify)) <u></u>	
Diesel Cert Fu	e1: 13 CCR 2282	40	CFR 86.1313-90	40	O CFR 86.1313-94 <u>x</u>
Primary Intend	ed Service Class	LHD	MHD_x_	HHD	Urban Bus
Exhaust ECS (i	ncl. MFI, TC, CA	c): <u>oc, tc</u>	and CAC, ECM	<u> </u>	
		(Us	e abbreviations p	er SAE J1930) Sept.91)

Engine Model (Eng Code)	Rated HP @ RPM	Fuel Rate @ Rated HP mm³ / stroke (lbs/hr)	Fuel Pump & Injector Part No.	ECM/PCM Part No.	EGR Valve Part No.	PTOX / Catalytic Converter Part No.
6D16T4-US96	190 HP 2,600 rpm	88 mm³/st. (77.2 lbs/hr)	I/P ME075770(A/T) I/N ME075518	MC883128	N/A	ME290190
6D16T2B-US96	230 HP 2,600 rpm	100 mm³/st. (87.7 lbs/hr)	I/P ME075768(M/T) I/N ME075517	MC898136	N/A	ME290190

Date Issued:

Revisions:

I/P : Fuel Injection Pump

I/N : Fuel Injection Nozzle